

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

DX0670KB1C

First Inventor

Gosse Jan ADEMA

Title

Isolated Mammalian Monocyte Cell Genes; Related Reagents

Express Mail Label No.

EL 982 851 151 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. X Fee Transmittal Form (e.g., PTO/SB/17) [Total Pages 1]
(submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. X Specification [Total Pages 151]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Pages]
5. Oath or Declaration [Total Pages 4]
 - a. New executed (original or copy)
 - b. X Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or
Computer Program (*Appendix*)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. CD-ROM or CD-R (2 copies); or
- ii. X paper
- c. X Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement _____ Power of
(when there is an assignee) _____ Attorney
11. English Translation Document (if applicable)
12. Information Disclosure _____ Copies of IDS
Statement (IDS)/PTO-1449 _____ Citations
13. Preliminary Amendment
14. X Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C.
122(b)(2)(B)(i). Applicant must attach form
PTO/SB/35 or its equivalent.
17. Other: _____

18. If a CONTINUING APPLICATION, *check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:*

Continuation X Divisional _____ Continuation-in-part (CIP) _____ of prior application No.: 10/290,631

Prior application information: Examiner: Unknown Group Art Unit: 1647

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

X Customer Number or Bar Code Label

or _____ Correspondence address below:

28008

DNAX Research, Inc.
901 California Ave.
Palo Alto, CA 94304
Telephone: (650) 496-6400
Facsimile: (650) 496-1200

Name (Print/Type)

Sheela Mohan-Peterson, Reg. No. 41,201

Signature _____

Sheehy John - At

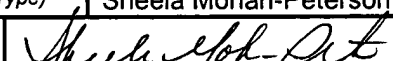
Date _____

11-Feb-2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2004</h2> <p style="margin: 5px 0 0 0;">Effective 10/01/2003. Patent fees are subject to annual revision.</p>		Complete if Known	
		Application Number	
		Filing Date	Herewith
		First Named Inventor	Gosse Jan ADEMA
		Examiner Name	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	
TOTAL AMOUNT OF PAYMENT	(\$ 770.00)	Attorney Docket No.	DX0670KB1C

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)																																																																																																																												
___ Check ___ Credit Card ___ Other ___ None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: <u>04-1239</u> Deposit Account Name: <u>DNAX Research, Inc.</u> The Commissioner is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application ___ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	<h3>3. ADDITIONAL FEES</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051 130</td><td>2051 65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052 50</td><td>2052 25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053 130</td><td>1053 130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812 2,520</td><td>1812 2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804 920*</td><td>1804 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805 1,840*</td><td>1805 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251 110</td><td>2251 55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252 420</td><td>2252 210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253 950</td><td>2253 475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254 1,480</td><td>2254 740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255 2,010</td><td>2255 1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401 330</td><td>2401 165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402 330</td><td>2402 165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403 290</td><td>2403 145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451 1,510</td><td>1451 1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452 110</td><td>2452 55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453 1,330</td><td>2453 665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501 1,330</td><td>2501 665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502 480</td><td>2502 240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503 640</td><td>2503 320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460 130</td><td>1460 130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807 50</td><td>1807 50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806 180</td><td>1806 180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021 40</td><td>8021 40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809 770</td><td>2809 385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810 770</td><td>2810 385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801 770</td><td>2801 385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802 900</td><td>1802 900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify) _____</td></tr> <tr> <td colspan="2"> SUBTOTAL (3) \$ 0 </td> <td colspan="2"></td> </tr> </tbody> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1051 130	2051 65	Surcharge - late filing fee or oath		1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet		1053 130	1053 130	Non-English specification		1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination		1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action		1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action		1251 110	2251 55	Extension for reply within first month		1252 420	2252 210	Extension for reply within second month		1253 950	2253 475	Extension for reply within third month		1254 1,480	2254 740	Extension for reply within fourth month		1255 2,010	2255 1,005	Extension for reply within fifth month		1401 330	2401 165	Notice of Appeal		1402 330	2402 165	Filing a brief in support of an appeal		1403 290	2403 145	Request for oral hearing		1451 1,510	1451 1,510	Petition to institute a public use proceeding		1452 110	2452 55	Petition to revive - unavoidable		1453 1,330	2453 665	Petition to revive - unintentional		1501 1,330	2501 665	Utility issue fee (or reissue)		1502 480	2502 240	Design issue fee		1503 640	2503 320	Plant issue fee		1460 130	1460 130	Petitions to the Commissioner		1807 50	1807 50	Processing fee under 37 CFR 1.17(q)		1806 180	1806 180	Submission of Information Disclosure Stmt		8021 40	8021 40	Recording each patent assignment per property (times number of properties)		1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))		1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))		1801 770	2801 385	Request for Continued Examination (RCE)		1802 900	1802 900	Request for expedited examination of a design application		Other fee (specify) _____				SUBTOTAL (3) \$ 0			
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																										
1051 130	2051 65	Surcharge - late filing fee or oath																																																																																																																											
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet																																																																																																																											
1053 130	1053 130	Non-English specification																																																																																																																											
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																											
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action																																																																																																																											
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action																																																																																																																											
1251 110	2251 55	Extension for reply within first month																																																																																																																											
1252 420	2252 210	Extension for reply within second month																																																																																																																											
1253 950	2253 475	Extension for reply within third month																																																																																																																											
1254 1,480	2254 740	Extension for reply within fourth month																																																																																																																											
1255 2,010	2255 1,005	Extension for reply within fifth month																																																																																																																											
1401 330	2401 165	Notice of Appeal																																																																																																																											
1402 330	2402 165	Filing a brief in support of an appeal																																																																																																																											
1403 290	2403 145	Request for oral hearing																																																																																																																											
1451 1,510	1451 1,510	Petition to institute a public use proceeding																																																																																																																											
1452 110	2452 55	Petition to revive - unavoidable																																																																																																																											
1453 1,330	2453 665	Petition to revive - unintentional																																																																																																																											
1501 1,330	2501 665	Utility issue fee (or reissue)																																																																																																																											
1502 480	2502 240	Design issue fee																																																																																																																											
1503 640	2503 320	Plant issue fee																																																																																																																											
1460 130	1460 130	Petitions to the Commissioner																																																																																																																											
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)																																																																																																																											
1806 180	1806 180	Submission of Information Disclosure Stmt																																																																																																																											
8021 40	8021 40	Recording each patent assignment per property (times number of properties)																																																																																																																											
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																											
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																											
1801 770	2801 385	Request for Continued Examination (RCE)																																																																																																																											
1802 900	1802 900	Request for expedited examination of a design application																																																																																																																											
Other fee (specify) _____																																																																																																																													
SUBTOTAL (3) \$ 0																																																																																																																													
<h3>1. BASIC FILING FEE</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1001 770</td><td>2001 385</td><td>Utility filing fee</td><td><u>770</u></td></tr> <tr><td>1002 340</td><td>2002 170</td><td>Design filing fee</td><td></td></tr> <tr><td>1003 530</td><td>2003 265</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004 770</td><td>2004 385</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005 160</td><td>2005 80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="4">SUBTOTAL (1) \$ 770</td></tr> </tbody> </table> <h3>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1202 18</td><td>2202 9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201 86</td><td>2201 43</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203 290</td><td>2203 145</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204 86</td><td>2204 43</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205 18</td><td>2205 9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="4">SUBTOTAL (2) \$ 0</td></tr> </tbody> </table> <p>** or number previously paid, if greater; For Reissues, see above</p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1001 770	2001 385	Utility filing fee	<u>770</u>	1002 340	2002 170	Design filing fee		1003 530	2003 265	Plant filing fee		1004 770	2004 385	Reissue filing fee		1005 160	2005 80	Provisional filing fee		SUBTOTAL (1) \$ 770				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	1202 18	2202 9	Claims in excess of 20		1201 86	2201 43	Independent claims in excess of 3		1203 290	2203 145	Multiple dependent claim, if not paid		1204 86	2204 43	** Reissue independent claims over original patent		1205 18	2205 9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) \$ 0				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>Extra Claims</td><td></td></tr> <tr><td>Total Claims <u>20</u></td><td>-20** = <u>0</u> X =</td></tr> <tr><td>Independent Claims <u>3</u></td><td>-3** = <u>0</u> X =</td></tr> <tr><td>Multiple Dependent Claims</td><td>=</td></tr> </tbody> </table>	Fee from Below	Fee Paid	Extra Claims		Total Claims <u>20</u>	-20** = <u>0</u> X =	Independent Claims <u>3</u>	-3** = <u>0</u> X =	Multiple Dependent Claims	=																																																										
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																										
1001 770	2001 385	Utility filing fee	<u>770</u>																																																																																																																										
1002 340	2002 170	Design filing fee																																																																																																																											
1003 530	2003 265	Plant filing fee																																																																																																																											
1004 770	2004 385	Reissue filing fee																																																																																																																											
1005 160	2005 80	Provisional filing fee																																																																																																																											
SUBTOTAL (1) \$ 770																																																																																																																													
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																										
1202 18	2202 9	Claims in excess of 20																																																																																																																											
1201 86	2201 43	Independent claims in excess of 3																																																																																																																											
1203 290	2203 145	Multiple dependent claim, if not paid																																																																																																																											
1204 86	2204 43	** Reissue independent claims over original patent																																																																																																																											
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent																																																																																																																											
SUBTOTAL (2) \$ 0																																																																																																																													
Fee from Below	Fee Paid																																																																																																																												
Extra Claims																																																																																																																													
Total Claims <u>20</u>	-20** = <u>0</u> X =																																																																																																																												
Independent Claims <u>3</u>	-3** = <u>0</u> X =																																																																																																																												
Multiple Dependent Claims	=																																																																																																																												

SUBMITTED BY		(Complete (if applicable))	
Name (Print/Type)	Sheela Mohan-Peterson	Registration No.	41,201
Telephone	1-650-496-6400		
Signature		Date	11- Feb 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. UTILITY PATENT APPLICATION

ISOLATED MAMMALIAN MONOCYTE CELL GENES; RELATED REAGENTS

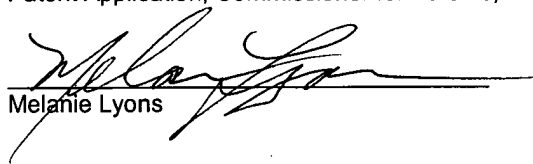
INVENTORS:

Gosse Jan Adema, Groesbeek, Netherlands;
Linde Meyaard, Amsterdam, Netherlands;
Daniel M. Gorman, Newark, California;
Terrill K. McClanahan, Sunnyvale, California;
Sandra M. Zurawski, San Juan Bautista, California;
Gerard Zurawski, San Juan Bautista, California;
Lewis L. Lanier, Los Altos, California; and
Joseph H. Phillips Jr., Palo Alto, California.

"Express Mailing" mailing label number EL 982 851 151 US

Date of Deposit February 11, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to: Mail Stop Patent Application, Commissioner for Patents; P.O. Box 1450, Alexandria, VA 22313-1450.


Melanie Lyons

2-11-04
Date

Assignee:

Schering Corporation, a New Jersey corporation.

Customer No. 28008

DNAX Research, Inc.
901 California Avenue
Palo Alto, California 94304-1104
Tel: (650) 496-6400
Fax: (650) 496-1200